

Title (en)
HIGH LOAD SWITCH FOR VEHICLE

Title (de)
HOHER LASTSCHALTER FÜR FAHRZEUG

Title (fr)
COMMUTATEUR DE CHARGE ÉLEVÉE POUR VÉHICULE

Publication
EP 2916337 A4 20160810 (EN)

Application
EP 13850206 A 20131031

Priority
• KR 20120124325 A 20121105
• KR 20130115448 A 20130927
• KR 2013009766 W 20131031

Abstract (en)
[origin: EP2916337A1] The present invention relates to a high load switch for a vehicle, including: a case which has an opening formed at an upper side of the case; a first contact unit which is disposed at a lower side in the case; a second contact unit which is disposed at a lower side in the case and disposed directly above the first contact unit; and a contactor which has one end fixed to one side in the case, and the other end disposed between the first contact unit and the second contact unit, in which a portion of the contactor between the one end and the other end is continuously formed, and the contactor includes a pusher unit which is formed by being bent upward so that an intermediate portion thereof penetrates the opening and protrudes, and a reinforcement bead which is formed on a surface of the contactor, thereby preventing deformation in the contactor and enhancing durability.

IPC 8 full level
H01H 15/04 (2006.01); **B60R 16/02** (2006.01); **H01H 1/12** (2006.01); **H01H 1/26** (2006.01); **H01H 3/42** (2006.01); **H01H 21/22** (2006.01)

CPC (source: CN EP US)
B60R 16/02 (2013.01 - US); **H01H 1/12** (2013.01 - US); **H01H 1/26** (2013.01 - CN EP US); **H01H 3/42** (2013.01 - CN EP US); **H01H 15/04** (2013.01 - US); **H01H 21/22** (2013.01 - CN EP US); **H01H 2021/225** (2013.01 - CN EP US)

Citation (search report)
• [X] FR 2597658 A1 19871023 - VIALY ROGER [FR]
• [A] DE 4012547 A1 19901025 - TOKAI RIKAI CO LTD [JP]
• [A] US 3319021 A 19670509 - GOOD ARTHUR L
• [A] US 6246020 B1 20010612 - SATO MASAMI [JP]
• [A] DE 9320696 U1 19941124 - GRUNER KG RELAIS FABRIK [DE]
• [A] KR 20080004953 U 20081028
• [A] US 2012193196 A1 20120802 - LIN CHING-HSIN [TW], et al
• See references of WO 2014069907A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2916337 A1 20150909; **EP 2916337 A4 20160810**; **EP 2916337 B1 20180103**; CN 104995709 A 20151021; JP 2015533452 A 20151124; JP 6027257 B2 20161116; US 2015303004 A1 20151022; US 9659718 B2 20170523; WO 2014069907 A1 20140508

DOCDB simple family (application)
EP 13850206 A 20131031; CN 201380057795 A 20131031; JP 2015540603 A 20131031; KR 2013009766 W 20131031; US 201314438463 A 20131031